

# **NOTICE:**

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**PORTIONS OF THE FOLLOWING  
DOCUMENT ARE ILLEGIBLE**

The Administrative Record Staff



EG&G ROCKY FLATS, INC.  
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

JUL 26 1990

1A152

JUL 25 1990

JWL-10-90

William P. Lynott  
Vice President & Denver Area Manager  
Roy F. Weston, Inc.  
215 Union Blvd., Suite 600  
Lakewood, Co. 80228

**UNCHARACTERIZED INVESTIGATIVE MATERIAL STORED IN DRUMS NEAR THE DECON PAD AT  
ROCKY FLATS PLANT**

On June 21, 1990 the Environmental Protection Agency (EPA) determined that there was incomplete documentation concerning the origin of investigative material (drill cuttings from boreholes) stored near the decon pad at the Rocky Flats Plant. Since August 1989 uncharacterized drill cuttings have been drummed and stored near the decon pad until the boreholes have been characterized. Standard operating procedures (SOPs) were in place at the time that detailed the documentation procedures necessary to properly accomplish this task.

In November of 1989 EG&G instructed Roy F. Weston, Inc. (Weston) to label the drums with sequential numbers. Weston responded by labeling all the drums present at the time in the storage area with ink marker. During the winter of 1989 - 1990 inspection by EG&G revealed that the information marked on the drums was fading and was hard to read. At that time Weston corrected the situation by permanently relabeling the drums with paint. The original markings on 6 drums had totally faded beyond recognition and in addition portions of the markings had also faded on a number of the drums.

In March EG&G requested a detailed drum inventory. In response Weston compiled a drum inventory log on March 16, 1990 that contained the date the drum was filled, the borehole from which the cuttings originated, the field engineer/geologist's initials, and the sequence number of the drum. A copy of the drum inventory log is attached.

Finally on June 21, 1990 the EPA determined that there was incomplete documentation concerning the origin of the material contained in the drums. Since the EPA determination, Weston has supplied EG&G with additional documentation that unfortunately has not clarified the origin of the uncharacterized material contained in the drums.

ADMIN RECORD

DOCUMENT CLASSIFICATION  
REVIEW WAIVER PER  
CLASSIFICATION OFFICE


A-SW-002133

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W.P.Lynott  
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At present there are a total of 25 drums that cannot be traced with proper documentation back to their source boreholes. Six of these drums are the drums that had totally faded original ink marker labels. These drums are: 22, 54, 55, 56, 60, and 62. In addition there are 19 other drums listed on the drum inventory log that have questionable or missing borehole entries. These drums are: 1, 2, 10, 19, 20, 57, 59, 65, 71, 73, 74, 78, 79, 80, 81, 85, 87, 88, and 89. Weston is directed to sample and characterize these 25 drums at once. The costs associated with this task are to be borne by Weston.

  
for J. M. Kersh, Associate General Manager  
Environmental Restoration & Waste Management

JMK:la

Attachment:  
As Stated

cc:  
M.B.Arndt  
P.Backes  
M.L.Brogden  
W.S.Busby  
J.E.Evered  
P.F.Folger  
T.C.Greengard  
J.W. Langman  
G.W. Litus  
G.L.Underberg

CLIENT/SUBJECT Drum Inventory 3/16/90 W.O. NO. \_\_\_\_\_

TASK DESCRIPTION \_\_\_\_\_ TASK NO. \_\_\_\_\_

PREPARED BY KEM - S Y DEPT \_\_\_\_\_ DATE \_\_\_\_\_

MATH CHECK BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE \_\_\_\_\_

METHOD REV. BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE \_\_\_\_\_

|             |            |
|-------------|------------|
| APPROVED BY |            |
| (11/21/89)  |            |
| DEPT _____  | DATE _____ |

| <u>Drum No.</u> | <u>Name</u> | <u>Date</u> | <u>Well</u>        |
|-----------------|-------------|-------------|--------------------|
| ✓ 1             | SPC         | 11/27/89    | B2189-89           |
| ✓ 2             | SPC         | 11/27/89    | B2189-89           |
| ✓ 3             | RDM         | 11/27/89    | B318889 1/3        |
| ✓ 4             | RDM         | 11/21/89    | B318889 2/3        |
| ✓ 5             | RDM         | 11/21/89    | B318889 3/3        |
| ✓ 6             |             | 10/12/89    | 5789 BR            |
| ✓ 7             |             | 6/14/89     | 5789 BR            |
| ✓ 8             | WWH         | 10/2/89     | 5589 BR (B218789)  |
| ✓ 9             | TAL         | 11/16/89    | B218789            |
| ✓ 10            | TAL         | 11/16/89    | (B219789) 9/27/89  |
| ✓ 11            | WWH         | 9/27/89     | 5589 BR 2/3        |
| ✓ 12            | WWH         | 9/26/89     | 5589 - BR 1/3      |
| ✓ 13            | TAL         | 10/17/89    | 5789 BR            |
| ✓ 14            | TAL         | 10/17/89    | 5789 BR (12/17/89) |
| ✓ 15            | TAL         | 10/18/89    | 5789 BR            |
| ✓ 16            | TAL         | 11/10/89    | B218589 1          |
| ✓ 17            | TAL         | 11/10/89    | B218589 2          |
| ✓ 18            | TAL         | 11/10/89    | B218589 3          |
| ✓ 19            | SPC         | 11/7/89     | (P418289) 2        |
| ✓ 20            | SPC         | 11/7/89     | (P418289) 2        |
| ✓ 21            | TAL         | 10/6/89     | P25089 1           |
| ✓ 22            | UNMAKED     |             |                    |
| ✓ 23            | BMM         | 9/25/89     | P25089             |
| ✓ 24            | (CMM)       | 9/27/89     | P25289             |
| ✓ 25            | TAL         | 10/11/89    | P20589             |
| ✓ 26            | TAL         | 10/11/89    | P20589             |
| ✓ 27            | CMM         | 10/25/89    | 5589 BR            |
| ✓ 28            | CMM         | 10/25/89    | 5589 BR 10/25/89   |
| ✓ 29            | CMM         | 10/17/89    | 5589 BR            |
| ✓ 30            | WWH         | 10/5/89     | 5689 BR 9/20/89    |
| ✓ 31            | WWH         | 10/5/89     | 5689 BR            |
| ✓ 32            | CMM         | 9/22/89     | P25789             |
| ✓ 33            | TAL         | 9/27/89     | P24289             |
| ✓ 34            | TAL         | 10/11/89    | P25089             |

CLIENT/SUBJECT \_\_\_\_\_ W.O. NO. \_\_\_\_\_

TASK DESCRIPTION \_\_\_\_\_ TASK NO. \_\_\_\_\_

|                      |            |            |   |
|----------------------|------------|------------|---|
| PREPARED BY _____    | DEPT _____ | DATE _____ | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">APPROVED BY _____</div> <div style="border: 1px solid black; padding: 5px;">DEPT _____ DATE _____</div> |
| MATH CHECK BY _____  | DEPT _____ | DATE _____ |   |
| METHOD REV. BY _____ | DEPT _____ | DATE _____ |   |

| ✓ <u>DEUM No.</u> | <u>NAME</u> | <u>DATE</u> | <u>WGL</u> |                    |
|-------------------|-------------|-------------|------------|--------------------|
| ✓ 35              | <u>TAL</u>  | 10/6/89     | PZ5089     |                    |
| ✓ 36              | WWH         | 9/20/89     | PZ4989     | 9/29/89            |
| ✓ 37              | WWH         | 9/20/89     | PZ4989     |                    |
| ✓ 38              | TAL         | 10/28/89 ←  | PZ4389     |                    |
| ✓ 39              | TAL         | 9/28/89     | PZ4389     |                    |
| ✓ 40              | TAL         | 10/24/89    | 5989BR     |                    |
| ✓ 41              | TAL         | 10/28/89    | 5989BR     | ZOF5               |
| ✓ 42              | TAL         | 10/26/89    | 5989BR     |                    |
| ✓ 43              | TAL         | 11/1/89     | BZ17789    | 10F2               |
| ✓ 44              | TAL         | 11/1/89     | BZ17789    | ZOF2               |
| ✓ 45              | SFC         | 9/15/89     | PZ6089     |                    |
| ✓ 46              | SFC         | 9/13/89     | PZ6089     |                    |
| ✓ 47              | SFC         | 9/14/89     | PZ6089     |                    |
| ✓ 48              | TAL         | 9/27/89     | PZ4289     | 1                  |
| ✓ 49              | TAL         | 10/12/89    | PZ2489     |                    |
| ✓ 50              | TAL         | 10/12/89    | PZ2489     |                    |
| ✓ 51              | CMM         | 9/19/89     | PZ5789     |                    |
| ✓ 52              | CMM         | 9/19/89     | PZ5789     |                    |
| ✓ 53              | WWH         | 9/6/89      | 5689BR     | 10F2               |
| 54                | UNMARKED    |             |            |                    |
| 55                | UNMARKED    |             |            |                    |
| 56                | UNMARKED    |             |            |                    |
| ✓ 57              | SFC         | 9/5/89      | P235-89    | 10                 |
| ✓ 58              | WWH         | 9/22/89     | PZ4489     |                    |
| 59                |             | (12-5-89)   | (5489BR)   |                    |
| 60                | UNMARKED    |             |            |                    |
| ✓ 61              | CMM         | 11-3-89     | P417889    |                    |
| ✓ 62              | UNMARKED    |             |            |                    |
| ✓ 63              | SFC         | (9-15-89)   | PZ6289     |                    |
| ✓ 64              | SFC         | 9-15-89     | PZ6289     |                    |
| 65                | TAL         | 9-18-89     | PZ8289 ←   | Is there a PZ8289? |
| ✓ 66              | TAL         | 9-18-89     | PZ2689     |                    |
| ✓ 67              | TAL         | 11/14/89    | BZ18689    | ZOF5               |
| ✓ 68              | TAL         | 11/15/89    | BZ18289    | 10F2               |

CLIENT/SUBJECT \_\_\_\_\_ W.O. NO. \_\_\_\_\_

TASK DESCRIPTION \_\_\_\_\_ TASK NO. \_\_\_\_\_

PREPARED BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE \_\_\_\_\_

MATH CHECK BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE \_\_\_\_\_

METHOD REV. BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE \_\_\_\_\_

|             |            |
|-------------|------------|
| APPROVED BY |            |
|             |            |
| DEPT _____  | DATE _____ |

DEVM No

NAME

DATE

WELL

✓ 69

DECON SLUDGE

9/25/89

✓ 70

DECON SLUDGE

9/25/89

71

CMM

8/25/89

72

SFC

8/12/89

73

CMM

8/24/89

74

CMM

8/25/89

✓ 75

DECON SLUDGE

9/25/89

76

SFC

9/13/89

77

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78

SFC

NO CHECK #

BH 6640789

79

CMM

P25489

80

CMM

S

81

SFC

8/24/89

S

✓ 82

CMM

8/23/89

1

✓ 83

CMM

10/11/89

P25489

✓ 84

CMM

10/12/89

P20789

✓ 85

WVH

10/12/89

P26389

86

TAL

9/19/89

P26389

87

TAL

11/14/89

52

88

SFC

8/23/89

5215689

89

SFC

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SKILL WATER LOW LOW RND 5 AM 11-5